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Substitute for form 1449A-B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>	Complete if Known	
	Application Number	10/575,991
	Filing Date	April 13, 2006
	First Named Inventor	Lital Alfonta
	Group Art Unit	Unassigned
	Examiner Name	Unassigned
	Attorney Docket Number	54-000711US
Date Submitted		

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
/KG/	1	2003-0082575	A1	Schultz et al.	05-01-2003	
/KG/	2	2003-0108885	A1	Schultz et al.	06-12-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
/KG/	3	WO	2002/085923	A2	The Scripps Research Institute	10-31-2002		
/KG/	4	WO	2002/086075	A2	The Scripps Research Institute	10-31-2002		
/KG/	5	WO	2004/035605	A2	The Scripps Research Institute	04-29-2004		
/KG/	6	WO	2004/035743	A2	The Scripps Research Institute	04-29-2004		
/KG/	7	WO	2004/058946	A2	The Scripps Research Institute	07-15-2004		
/KG/	8	WO	2004/094593	A2	The Scripps Research Institute	11-04-2004		
/KG/	9	WO	2005/003294	A2	The Scripps Research Institute	01-13-2005		
/KG/	10	WO	2005/007624	A2	The Scripps Research Institute	01-27-2005		
/KG/	11	WO	2005/007870	A2	The Scripps Research Institute	01-27-2005		
/KG/	12	WO	2005/019415	A2	The Scripps Research Institute	03-03-2005		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/KG/	13	CHIN ET AL. (2003) "An Expanded Eukaryotic Genetic Code." <i>Science</i> , 301: 964-967.		

Examiner Signature	/Kagnew Gebreyesus/	Date Considered	03/16/2007
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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	Group Art Unit	Unassigned
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	Attorney Docket Number	54-000711US
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/KG/	14	FENG ET AL. (2003) "Expanding tRNA recognition of a tRNA synthetase by a single amino acid change." <i>Proceedings of the National Academy of Sciences USA</i> , 100(10): 5676-5681.	
	15	FORSTER ET AL. (2003) "Programming peptidomimetic synthetases by translating genetic codes designed de novo." <i>Proceedings of the National Academy of Sciences USA</i> , 100(11): 6353-6357.	
	16	FRANCKLYN ET AL. (2002) "Aminoacyl-tRNA synthetases: Versatile players in the changing theater of translation." <i>RNA</i> , 8: 1363-1372.	
	17	IBBA (1996) "Strategies for in vitro and in vivo translation with non-natural amino acids." <i>Biotechnology and Genetic Engineering Reviews</i> , 13: 197-216.	
	18	KIGA ET AL. (2002) "An engineered Escherichia coli tyrosyl-tRNA synthetase for site-specific incorporation of an unnatural amino acid into proteins in eukaryotic translation and its application in a wheat germ cell-free system." <i>Proceedings of the National Academy of Sciences USA</i> , 99(15): 9715-9723.	
	19	KOWAL ET AL. (2001) "Twenty-first aminoacyl-tRNA synthetase-suppressor tRNA pairs for possible use in site-specific incorporation of amino acid analogues into proteins in eukaryotes and in eubacteria." <i>Proceedings of the National Academy of Sciences USA</i> , 98(5): 2268-2273.	
	20	LIU AND SCHULTZ (1999) "Progress toward the evolution of an organism with an expanded genetic code." <i>Proceedings of the National Academy of Sciences USA</i> , 96: 4780-4758.	
	21	OHNO ET AL. (1998) "Co-Expression of Yeast Amber Suppressor tRNA ^{tyr} and Synthetase in Escherichia coli: Possibility to Expand the Genetic Code." <i>J. Biochem</i> 124(6):1065-1068.	
	22	WANG AND SCHULTZ (2001) "A general approach for the generation of orthogonal tRNAs." <i>Chemistry and Biology</i> , 8: 883-890.	
	23	WANG ET AL. (2000) "A New Functional Suppressor tRNA/Aminoacyl-tRNA Synthetase Pair for the in Vivo Incorporation of Unnatural Amino Acids into Proteins." <i>Journal of the American Chemistry Society</i> , 122: 5010-5011.	
	24	WANG ET AL. (2001) "Expanding the Genetic Code of Escherichia coli." <i>Science</i> , 292: 489-500.	
↓	25	ZHANG ET AL. (2002) "The Selective Incorporation of Alkenes into Proteins in Escherichia coli." <i>Angewandte Chemie, International Edition</i> , 41: 2840-2842.	
/KG/	26	ZHANG ET AL. (2003) "A New Strategy for the Site-Specific Modification of Proteins in Vivo." <i>Biochemistry</i> , 42: 6735-6746.	

Examiner Signature	/Kagnew Gebreyesus/	Date Considered	03/16/2007
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SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT
BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/575,991
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First Named Inventor	Lital Alfonta
Group Art Unit	1656
Examiner Name	Gebreyesus, Kagnew
Attorney Docket Number	54-000711US
Date Submitted	December 21, 2006

U.S. PATENT DOCUMENTS

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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/KG/	1	WANG ET AL. "Addition of the Keto Functional Group to the Genetic Code of Escherichia Coli." PNAS, 100(1):56-61 (published on-line December 23, 2002)	
/KG/	2	ALFONTA ET AL. "Site Specific Incorporation of a Redox-Active Amino Acid into Proteins." J. Am. Chem. Soc., 125:14662-14663 (published on-line November 6, 2003)	

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